

Notice of Allowability

Application No.

09/182,626

Examiner

Henry N. Tran

Applicant(s)

WANG ET AL.

Art Unit

2674

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the Amendment received 7/20/05 and the telephone interview 8/1/05.
2. ☒ The allowed claim(s) is/are 57, and 59-61; and are renumbered as 1-4.
3. ☒ The drawings filed on 20 July 2005 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

Henry N. Tran

**HENRY N. TRAN
PRIMARY EXAMINER**

DETAILED ACTION

1. The Amendment received 7/20/05 has been fully considered in preparing this Office action. Applicants' amendments to the drawings and the claims have overcome the objections and rejections recited in the prior Office action mailed 6/7/05.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with applicant's attorney, Mr. Howard Seo (Reg. No. 43,106) on August 1, 2005.

The application has been amended for compliance with the Revised Amendment Practice 37 CFR 1.121 as follows:

In the claims: The status identifiers for claims 1-56 and 60 are corrected as follows:

Claims 1-56 (**Canceled**); and

Claim 60 (**Previously presented**). See the attached paper.

Allowable Subject Matter

3. Claims 57 and 59-61 are allowed; and are renumbered as 1-4.
4. The following is an examiner's statement of reasons for allowance:

The present invention is directed to a system for providing backlighting to a keypad used in a mobile communication device. The independent claim 57 identifies the uniquely distinct

Art Unit: 2674

features: “a multiplexing circuit (54) configured to alternate between connecting a power supply to a keypad lighting circuit (52) and connecting the keypad (42) to a computer (56) through the pin contact (22, 24) at a rate allowing a connection to the keypad lighting circuit to appear continuous to a user.” (see claim 57 and figure5). The closest prior art, the Metroka et al patent (U.S. Patent No. 5,175,759), the Bowen et al patent (U.S. Patent No. 6,046,730), and the Montgomery, Jr. patent (U.S. Patent No. 6,205,343) disclose conventional systems for providing backlighting to keypads used in mobile communication devices, either singularly or in combination, fails to anticipate or render the above underlined limitations, which are in combination with other claimed limitations, obvious.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

Conclusion

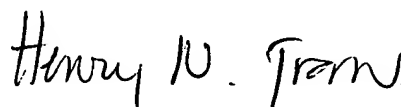
5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. It's: U.S. Patent No. 6,205,343 to Montgomery Jr., which teaches a system 100 for providing backlighting to keypad 118 used in a mobile communication device; wherein, power source 122 is alternatively removed from a portion of the communication device for saving battery power source.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Henry N. Tran whose telephone number is 571-272-7760. The examiner can normally be reached on M-F 8:00-4:30.

Art Unit: 2674

- ° If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick N. Edouard can be reached on 571-272-7603. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Henry N Tran
Primary Examiner
Art Unit 2674

8/1/05

8/19/05
accepted
HS

REPLACEMENT SHEET

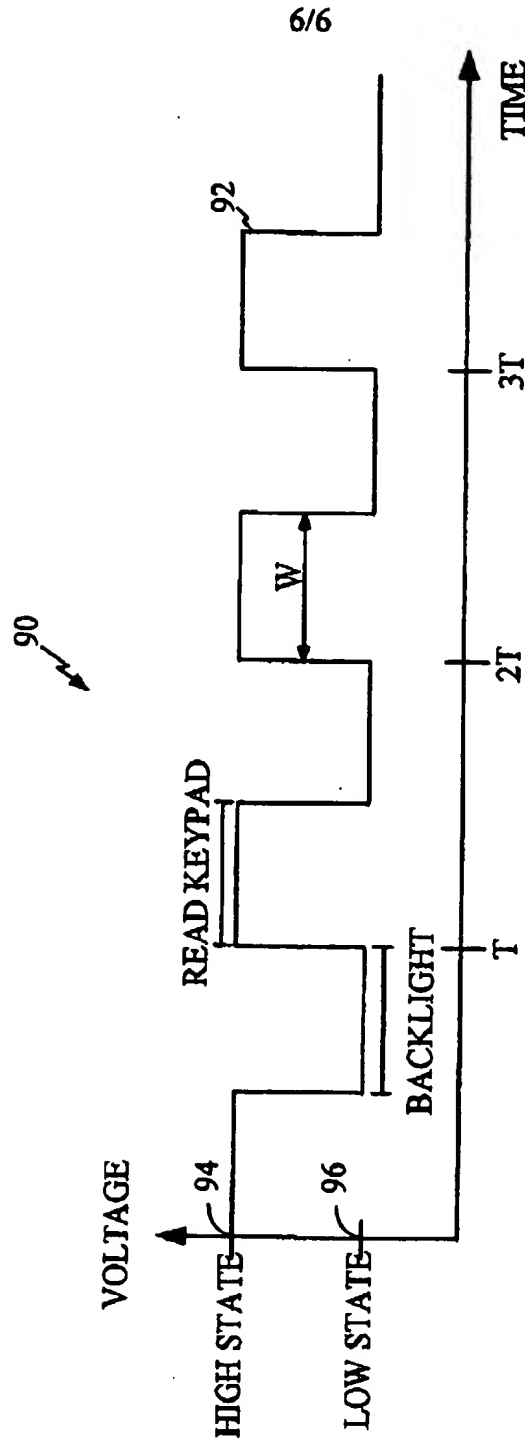


FIG. 6